Product Name : Analog 4-20mA Wind Direction Sensor

Product Code : WDS-AN

Overview

The wind direction sensor measures wind direction in the range of 0–359° with 1° resolution. With its durable aluminum housing, it is suitable for outdoor applications. The sensor generates a linear 4–20 mA signal corresponding to wind direction, providing 4 mA at the minimum value and 20 mA at the maximum measurement range.



Application Areas

- Solar Power Plant
- Agricultural Fields
- Greenhouse Applications
- Meteorological Measurement
- Industrial Applications
- Wind Power Plant
- Highways and Bridges
- Ship weather station
- Airports

Electrical Specifications	
Measurement Range	: 0° ~ 359.9°
Resolution	: 0.1°
Accuracy	: ± 2%
Operating Temperature	: -35°C ~ 80°C
Measurement Principle	: Magnetic Effect
Protocol and Connection Output	: Analog 4-20 mA
Supply Voltage	: 9-48 V DC
Current Consumption	: 10 mA @24 VDC

Mechanical Specifications	
Dimensions	: Ø95 x 240 x 345 mm
Protective Case	: Aluminum
Ladle	: Plexiglass, Aluminum, Stainless
Protection	: IP 65

Cable and Connection Specifications		
Cable Length	: 3 m	
Connector Class	: IP 67	
White	: 9- 48 V DC (+)	○
Brown	: GND (-)	●
Yellow	: 4-20 mA Output	●

Technical Specifications



